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## International Center for Monitoring Cloud Computing Providers (ICMCCP) for Ensuring Trusted Clouds (Conference Paper)

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### Abstract

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Cloud computing offers flexible and scalable IT (Information Technology) services for which many organizations are now interested in harnessing its benefit. In spite of the enthusiasm and great interest, Cloud computing has not yet earned full trust of the individual customers, banks, armed forces, governments, and companies who do sensitive computing tasks. While it is not the goal to persuade everyone to use the technology and some types of tasks are to be done with secrecy, for the general works done by the companies and customers, Cloud could be heavily used. However, it is very difficult to convince people that the Cloud Providers (CPs) would keep their data protected. To address this issue, what required is to employ some mechanism that can establish the trust of the users. With this motivation, in this paper, we present a novel concept for trust assurance in Cloud services with the proposal of implementing a Global Central Bank-like regulatory authority. Our initiative is termed International Center for Monitoring Cloud Computing Providers (ICMCCP). Various facets of ICMCCP model have been described alongside the policy making issues. Necessary backgrounds of Cloud are also presented. © 2014 IEEE.

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## References (19)

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- ☐ 1 Computing curricula 2005  
 (2005) *The Overview Report the Joint Task Force for Computing Curricula 2005 by ACM, AIS, IEEE-CS*  
 30 September [last accessed: 18 July, 2014]  
[http://www.acm.org/education/curric\\_vols/CC2005-March06Final.pdf](http://www.acm.org/education/curric_vols/CC2005-March06Final.pdf)

- ☐ 2 Mell, P., Grance, T.  
 (2011) *The NIST Definition of Cloud Computing*. Cited 2837 times.  
 NIST Special Publication 800-145, September

- ☐ 3 Pathan, A.-S.  
 Fi-wi network for future cloud  
 (2013) *IJARITAC*, 4 (3), pp. 122-132. Cited 2 times.  
 December

- ☐ 4 Potential and impacts of cloud computing services and social network websites  
 (2014) *Science and Technology Options Assessment Report, PE 513.546, Euro. Parliamentary Research Service*  
 Jan

- ☐ 5 Abdalla, A.-K.A., Pathan, A.-S.K.  
 On protecting data storage in mobile cloud computing paradigm  
 (2014) *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, 31 (1), pp. 82-91. Cited 7 times.  
<http://tr.ietejournals.org/>  
 doi: 10.1080/02564602.2014.891382

[View at Publisher](#)

- 
- ☐ 6 Pathan, A.-S.  
When the cloud computing becomes mobile  
(2013) *International Journal of Internet and Distributed Systems*, 1 (3), p. 17. Cited 2 times.  
August
- 
- ☐ 7 Grandison, T., Sloman, M.  
A survey of trust in internet applications  
(2000) *IEEE Communications Surveys and Tutorials*, 3 (4), pp. 2-16. Cited 634 times.  
Fourth Quarter
- 
- ☐ 8 Pathan, A.-S.  
On the boundaries of trust and security in computing and communications systems  
(2014) *IJTMCC, Inderscience*, 2 (1), pp. 1-6. Cited 2 times.  
Inderscience Publishers
- 
- ☐ 9 Quercia, D., Hailes, S., Capra, L.  
B-trust: Bayesian trust framework for pervasive computing  
  
(2006) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 3986 LNCS, pp. 298-312. Cited 64 times.  
<http://springerlink.com/content/0302-9743/copyright/2005/>  
ISBN: 3540342958; 978-354034295-3  
doi: 10.1007/11755593\_22  
  
View at Publisher
- 
- ☐ 10 Takabi, H., Joshi, J.B.D., Ahn, G.-J.  
Security and privacy challenges in cloud computing environments  
  
(2010) *IEEE Security and Privacy*, 8 (6), art. no. 5655240, pp. 24-31. Cited 496 times.  
doi: 10.1109/MSP.2010.186  
  
View at Publisher
- 
- ☐ 11 Khan, K.M., Malluhi, Q.  
Establishing trust in cloud computing  
  
(2010) *IT Professional*, 12 (5), art. no. 5593036, pp. 20-27. Cited 149 times.  
doi: 10.1109/MITP.2010.128  
  
View at Publisher
- 
- ☐ 12 Ranchal, R., Bhargava, B., Othmane, L.B., Lilien, L., Kim, A., Kang, M., Linderman, M.  
Protection of identity information in cloud computing without trusted third party  
  
(2010) *Proceedings of the IEEE Symposium on Reliable Distributed Systems*, art. no. 5623416, pp. 368-372. Cited 49 times.  
ISBN: 978-076954250-8  
doi: 10.1109/SRDS.2010.57  
  
View at Publisher
- 
- ☐ 13 Lin, K.-J., Lu, H., Yu, T., Tai, C.-E.  
A reputation and trust management broker framework for web applications  
  
(2005) *Proceedings - 2005 IEEE International Conference on e-Technology, e-Commerce and e-Service, EEE-05*, pp. 262-269. Cited 80 times.  
ISBN: 0769522742; 978-076952274-6
-

- 
- ☐ 14 Pal, S., Khatua, S., Chaki, N., Sanyal, S.  
A new trusted and collaborative agent based approach for ensuring cloud security  
(2012) *Annals of Faculty Engineering Hunedoara-International Journal of Engineering*, pp. 71-78. Cited 10 times.  
February
- 
- ☐ 15 Manuel, P.D., Thamarai Selve, S., Barr, M.I.A.-E.I.  
Trust management system for grid and cloud resources  
(2009) *2009 1st International Conference on Advanced Computing, ICAC 2009*, art. no. 5378187, pp. 176-181. Cited 33 times.  
ISBN: 978-142444786-2  
doi: 10.1109/ICADVC.2009.5378187  
  
View at Publisher
- 
- ☐ 16 Selvi Somasundaram, T., Amarnath, B.R., Kumar, R., Balakrishnan, P., Rajendar, K., Rajiv, R., Kannan, G., (...), Madusudhanan, B.  
CARE Resource Broker: A framework for scheduling and supporting virtual resource management  
(2010) *Future Generation Computer Systems*, 26 (3), pp. 337-347. Cited 29 times.  
doi: 10.1016/j.future.2009.10.005  
  
View at Publisher
- 
- ☐ 17 Habib, S.M., Hauke, S., Ries, S., Mühlhäuser, M.  
Trust as a facilitator in cloud computing: A survey  
(2012) *Journal of Cloud Computing*, 1 (1), pp. 1-18. Cited 55 times.  
<http://www.journalofcloudcomputing.com/>  
doi: 10.1186/2192-113X-1-19  
  
View at Publisher
- 
- ☐ 18 Pathan, A.-S.K., Kindy, D.A.  
Lethality of sql injection against current and future internet technologies  
(2014) *International Journal of Computational Science and Engineering*, 9 (4), pp. 386-394. Cited 2 times.  
doi: 10.1504/IJCSE.2014.060720  
  
View at Publisher
- 
- ☐ 19 Kindy, D.A., Pathan, A.-S.K.  
A detailed survey on various aspects of sql injection in web applications: Vulnerabilities, innovative attacks and remedies  
(2013) *International Journal of Communication Networks and Information Security*, 5 (2), pp. 80-92. Cited 9 times.  
<http://www.ijcnis.org/index.php/ijcnis/article/download/327/115>
- 

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